



# Material Safety Data Sheet

**CHEMTREC Transportation  
Emergency Phone: 800-424-9300**

**Pittsburgh Poison Control  
Center  
Health Emergency No.: 412-681-6669**

•NOTE: The CHEMTREC Transportation  
•Emergency Phone is to be used only in the  
•event of chemical emergencies involving a  
•spill, leak, fire, exposure or accident  
•involving chemicals

## Section 1 - Chemical Product / Company Information

**Product Name:** SPECIAL SILICA FILLER #3      **Revision Date:** 11/24/2008  
**Identification Number:** PLMSDS 4403C1NL      **Supercedes :** 02/13/2006  
**Product Use/Class:** Filler - FOR INDUSTRIAL USE ONLY      **Preparer:** Regulatory, Department  
**Manufacturer:** Carboline Company  
350 Hanley Industrial Ct.  
St. Louis, MO 63144

## Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA-CEIL
MICROCRYSTALLINE SILICA	14808-60-7	100.0	0.025 MG/M3 (respirable)	N/E	0.1 MG/M3 (respirable)	N/E

## Section 3 - Hazards Identification

**Emergency Overview:** Contains SILICA which can cause cancer. Risk of Cancer depends on duration and level of exposure.

**Effects Of Overexposure - Eye Contact:** Can cause eye irritation.

**Effects Of Overexposure - Skin Contact:** Can cause skin irritation.

**Effects Of Overexposure - Inhalation:** Shortness of breath, coughing, reduced pulmonary function. Prolonged inhalation of respirable silica will result in permanent lung damage, silicosis.

**Effects Of Overexposure - Ingestion:** May cause gastrointestinal discomfort. see a physician if discomfort persists.

**Effects Of Overexposure - Chronic Hazards:** Long term dust inhalation in excess of the PEL or TLV may decrease the ability of the lungs to clear particulate matter which may cause shortness of breath and increased susceptibility to respiratory disease. Crystalline silica is known to cause silicosis. Crystalline silica (Quartz) is classified as a known human carcinogen (Group 1) by IARC. Exposure is by route of inhalation. If material is in a liquid matrix it is unlikely to be inhaled. However, when sanding or grinding the finished product, there may be potential for crystalline silica to become airborne.

**Primary Route(s) Of Entry:** Skin Contact, Inhalation, Ingestion, Eye Contact

**Medical Conditions Prone to Aggravation by Exposure:** If you have a condition that could be aggravated by exposure to dust or organic vapors, see a physician prior to use.

## Section 4 - First Aid Measures

**First Aid - Eye Contact:** Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

**First Aid - Skin Contact:** Wash skin thoroughly with soap and water.

**First Aid - Inhalation:** Move person to fresh air. Seek medical attention if irritation persists.

**First Aid - Ingestion:** Ingestion of this material is unlikely. If material is ingested, give 1 or 2 glasses of water. If discomfort persists, see a physician.

## Section 5 - Fire Fighting Measures

**Flash Point, F:** N/A  
(N/A)

**Lower Explosive Limit, %:** N/A  
**Upper Explosive Limit, %:** N/A

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

**Unusual Fire And Explosion Hazards:** None known.

**Special Firefighting Procedures:** None. Product will not burn.

## Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Sweep up material and place in appropriate disposal container. Use sweeping compound or other cleaning aids to pick up residues. Wash down area thoroughly with water. Dispose of material in accordance with all federal, state, and local regulations. Use personal protective equipment as necessary.

## Section 7 - Handling And Storage

**Handling:** Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing vapors or spray mist.

**Storage:** Keep Dry. Keep containers closed when not in use. Store in a cool, dry place with adequate ventilation.

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** General ventilation should be provided to maintain ambient concentrations below nuisance levels.

**Respiratory Protection:** Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved supplied air respirator. Follow all current OSHA requirements for respirator use. For silica containing coatings in a liquid state, and/or if no exposure limits are established in Section 2 above, supplied air respirators are generally not required.

**Skin Protection:** Wear protective gloves, as needed, to prevent skin contact.

**Eye Protection:** Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

**Other protective equipment:** None required.

**Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practices. These practices include: avoiding unnecessary exposures to dusts and fibers by using good local exhaust ventilation; removal of the material from the skin and eyes after exposure; removal of material from clothing (Use vacuum equipment to remove fibers and dusts from clothing. Compressed air should never be used. Always wash contaminated work clothes separately from other laundry and wipe out washer / sink to prevent loose glass fibers from getting on other articles); keep the work area clean of dusts and fibers generated during fabrication (Use vacuum equipment to clean up dusts and fibers. Avoid sweeping

or using compressed air as these techniques re-suspend dusts and fibers into the air.) and; have access to safety showers and eye wash stations.

## Section 9 - Physical And Chemical Properties

<b>Boiling Range:</b>	N/A - N/A	<b>Vapor Density:</b>	N/A
<b>Odor:</b>	Dusty	<b>Odor Threshold:</b>	N/D
<b>Appearance:</b>	White Powder	<b>Evaporation Rate:</b>	Slower Than Ether
<b>Solubility in H2O:</b>	N/D		
<b>Freeze Point:</b>	N/A	<b>Specific Gravity:</b>	2.52
<b>Vapor Pressure:</b>	N/D	<b>PH:</b>	N/D
<b>Physical State:</b>	Solid		

(See section 16 for abbreviation legend)

## Section 10 - Stability And Reactivity

**Conditions To Avoid:** None

**Incompatibility:** None

**Hazardous Decomposition Products:** None are known.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Stability:** This product is stable under normal storage conditions.

## Section 11 - Toxicological Information

**Product LD50:** N/D

**Product LC50:** N/D

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50</b>	<b>LC50</b>
MICROCRYSTALLINE SILICA	14808-60-7	NOT AVAILABLE	NOT AVAILABLE

## Section 12 - Ecological Information

**Ecological Information:** No data

## Section 13 - Disposal Information

**Disposal Information:** Dispose of material in accordance with applicable federal, state and local regulations.

## Section 14 - Transportation Information

<b>DOT Proper Shipping Name:</b>	Not Regulated	<b>Packing Group:</b>	N/A
<b>DOT Technical Name:</b>	N/A	<b>Hazard Subclass:</b>	N/A
<b>DOT Hazard Class:</b>	None	<b>Resp. Guide Page:</b>	N/A
<b>DOT UN/NA Number:</b>	None		

**Additional Notes:** None.

## Section 15 - Regulatory Information

**CERCLA - SARA HAZARD CATEGORY**

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

### **SARA SECTION 313**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Section 313 Substances exist in this product

### **TOXIC SUBSTANCES CONTROL ACT**

All components of this product are listed on the TSCA inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(B) Substances exist in this product

### **U.S. STATE REGULATIONS AS FOLLOWS:**

#### **NEW JERSEY RIGHT-TO-KNOW**

The following materials are non-hazardous, but are among the top five components in this product.

#### **PENNSYLVANIA RIGHT-TO-KNOW**

The following non-hazardous ingredients are present in the product at greater than 3%.

#### **CALIFORNIA PROPOSITION 65**

**Warning: The following ingredients present in the product are known to the state of California to cause Cancer:**

**Chemical Name**  
MICROCRYSTALLINE SILICA

**CAS Number**  
14808-60-7

**Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:**

No California Proposition 65 Reproductive Toxins exist

### **INTERNATIONAL REGULATIONS AS FOLLOWS:**

#### **CANADIAN WHMIS**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**CANADIAN WHMIS CLASS:** D2A

## **Section 16 - Other Information**

### **HMIS Ratings**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Personal Protection:** E

**VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED):** See Part A MSDS

**REASON FOR REVISION:** Routine Update

**Legend:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations